

What is claimed is:

- 1) A method for accessing management information in CIM-format transferred by an agent in SNMP-format, the method comprising:
  - receiving a data request from a CIM object manager including CIM data objects;
  - mapping the data request into an SNMP request;
  - transmitting the request to the SNMP agent; and
  - receiving a response to the SNMP request message from the SNMP agent.
- 2) A method according to claim 1, the method further comprising:
  - reading configuration information including SNMP session attributes, wherein transmitting requests to the SNMP agent and receiving responses from the SNMP agent is according to the session attributes.
- 3) A method according to claim 1, the method further comprising:
  - mapping response data into the CIM data objects; and
  - completing the data request including returning the CIM data objects to the CIM object manager.
- 4) A method for generating a MOF file from a MIB file, the MIB file including at least one SNMP variable, comprising:
  - generating a MOF file for at least one of a group and a row sequence specified in the MIB file, the MOF file including an object class; and
  - generating a property and property qualifiers including an OID and SNMP datatype for each SNMP variable in the MIB file for inclusion in the MOF file.
- 5) A computer program product for use on a computer system for accessing management information in CIM-format transferred by an agent in SNMP-format, the computer program product comprising a computer usable medium having computer readable program code thereon, the computer readable program code including program code for:

receiving a data request from a CIM object manager including CIM data objects;  
mapping the data request into an SNMP request;  
transmitting the request to the SNMP agent; and  
receiving a response to the SNMP request message from the SNMP agent.

- 6) A computer program product for generating a MOF file from a MIB file, the MIB file including at least one SNMP variable, the computer program product comprising a computer usable medium having computer readable program code thereon, the computer readable program code including program code for:

generating a MOF file for at least one of a group and a row sequence specified in the MIB file, the MOF file including an object class; and  
generating a property and property qualifiers including an OID and SNMP datatype for each SNMP variable for inclusion in the MOF file.

02442/00130 171746.2